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A combined contribution with

-Cooperative Extension Service
-USDA Farm Service Agency
-The Oklahoma Mesonet

COOLER TEMPERATURES WELCOMED

July 23 - Rains and cooler temperatures brought relief to the state during the week. District average high temperatures ranged from 3 to 9 degrees lower than the previous week. The North Central and Northeast district showed the largest decrease with 9 degrees cooler than the week before. Farmers had 5.5 days suitable for fieldwork during the week.

TOPSOIL MOISTURE BY PERCENT

| | Very Short | Short | Adequate | Surplus |
|-----------|------------|-------|----------|---------|
| This Week | 6 | 22 | 70 | 2 |
| Last Week | 5 | 30 | 62 | 3 |
| Last Year | 4 | 37 | 58 | 1 |

SUBSOIL MOISTURE BY PERCENT

| | Very Short | Short | Adequate | Surplus |
|-----------|------------|-------|----------|---------|
| This Week | 4 | 18 | 77 | 1 |
| Last Week | 3 | 19 | 75 | 3 |
| Last Year | 2 | 13 | 84 | 1 |

SMALL GRAINS: Dry weather early in the week kept producers busy plowing wheat ground. Wheat stubble was plowed at least once on 88 percent of the State's acreage compared with 77 percent last year and 79 percent for the five year average. Oats and rye acreage plowed was 86 and 83 percent complete, respectively.

ROW CROPS: Cooler temperatures accompanied by rain at the end of the week brought relief to row crops. Corn was rated in good to fair condition in the Southwest district but in mostly good condition in the remainder of the State. Silking made good progress in every district. Sorghum was rated mostly fair in the Southeast district but in good condition in the remainder of the State. Heading made good progress this week increasing to 25 percent statewide. Soybeans were rated poor to fair in the Southwest district but in good condition in the remainder of the State. Soybeans were beginning to show signs of stress due to the recent hot temperatures, but they have rebounded due to the cooler temperatures and rains. Blooming is progressing ahead of the five year average. Peanuts were rated in fair-to-good condition in the Southwest district but in good condition in the remainder of the State. Peanuts setting pods continued slightly ahead of the five year average. Cotton was rated in mostly good condition statewide. Development continued to make good progress under warm weather. Grasshoppers continue to be a problem in row crops and alfalfa, particularly in southern and western Oklahoma.

ROW CROPS CONDITION BY PERCENT

Week Ending July 23, 2000

| | Very Poor | Poor | Fair | Good | Excellent |
|----------|-----------|------|------|------|-----------|
| Corn | 0 | 1 | 7 | 87 | 5 |
| Sorghum | 0 | 14 | 30 | 54 | 2 |
| Soybeans | 0 | 12 | 20 | 62 | 6 |
| Peanuts | 0 | 5 | 37 | 50 | 8 |
| Cotton | 0 | 0 | 31 | 50 | 19 |

HAY: Alfalfa was rated in mostly good condition in every district. Producers made good progress on the third cutting of alfalfa, surpassing the 50 percent mark for the State. All other hay was rated in fair to good condition in the Southwest district and in good shape in the remainder of the State. Second cutting ranged from 15 percent in the Southwest district to 86 percent in the West Central district.

HAY CONDITION BY PERCENT

Week Ending July 23, 2000

| | Very Poor | Poor | Fair | Good | Excellent |
|-----------|-----------|------|------|------|-----------|
| Alfalfa | 1 | 3 | 21 | 64 | 11 |
| Other Hay | 0 | 2 | 21 | 61 | 16 |

PASTURE: Range and pasture condition fell slightly due to the heat and recent lack of precipitation. Late week rains will help pastures in many areas. Grasshoppers and armyworms are beginning to take their toll on pastures in western and southern districts.

LIVESTOCK: Cattle were rated in mostly good condition. Cattle auctions reported average marketings for the week. Insect pressures on cattle are reported as moderate to heavy in the southern two-thirds of the State.

LIVESTOCK CONDITION BY PERCENT

Week Ending July 23, 2000

| | Very Poor | Poor | Fair | Good | Excellent |
|-----------------|-----------|------|------|------|-----------|
| Livestock | 0 | 1 | 10 | 73 | 16 |
| Pasture & Range | 0 | 5 | 21 | 55 | 19 |

MISCELLANEOUS CROPS: Watermelons were rated in mostly fair condition across the southern third of Oklahoma to good-to-excellent condition in the North Central district. Harvest ranged from 10 percent in northern counties to 65 percent in the major-producing South Central district.

| OKLAHOMA CROP PROGRESS | | | | | | | | | |
|---------------------------------------------------|----------------|----------------|----------------|----------------|-------------------------------------------------------------------|-----------|-----------|-----------|-----------|
| July 23, 2000 | | | | | | | | | |
| Item | This Week | Last Week | Last Year | 5-Yr. Avg | Item | This Week | Last Week | Last Year | 5-Yr. Avg |
| Wheat - Plowed | 88 | 79 | 77 | 79 | Peanuts - Pegging Setting Pods | 83 44 | 65 30 | 79 30 | 84 43 |
| Oats - Plowed | 83 | 69 | 78 | 73 | Cotton - Squaring Setting Bolls | 90 35 | 82 20 | 55 15 | 80 23 |
| Corn - Silking Dough Mature | 83 25 6 | 55 23 4 | 59 13 0 | 70 21 1 | Alfalfa Hay 2 nd Cutting 3 rd Cutting | 97 58 | 95 37 | 96 52 | 98 46 |
| Sorghum - Emerged Headed Coloring | 99 25 6 | 93 13 2 | 98 10 3 | 97 18 5 | Other Hay 1 st Cutting 2 nd Cutting | 93 39 | 87 24 | 89 27 | 89 23 |
| Soybeans - Emerged Blooming Setting Pods | 98 51 24 | 92 29 10 | 84 29 11 | 93 47 19 | Watermelons Setting Fruit Harvested | 99 48 | 98 25 | 95 24 | 92 24 |

WEATHER FOR WEEK ENDING JULY 23, 2000 - Temperatures ranged from 56.4 degrees at Boise City on Friday, July 21st to 107.9 degrees at Walters on Wednesday, July 19th. Precipitation averaged 0.34 in. Southwest district to 2.32 in. Northeast district. Individual Mesonet stations ranged from 0.01 in. At Mangum to 3.54 in. at Vinita. Soil temperatures averaged 74.5 degrees at Miami on Sunday, July 23rd to 96.9 degrees at Waurika on Thursday, July 20th.

| MESONET TEMPERATURE AND PRECIPITATION DATA | | | | | | | |
|--------------------------------------------|--------------|-------------|---------|---------------|--------------------------|-----------------------|-------------------|
| Week Ending July 23, 2000 | | | | | | | |
| Districts | Temperature | | | Precipitation | | | |
| | Average High | Average Low | Average | This Week | March 1 to July 23, 2000 | | |
| | | | | | Total | Departure from Normal | Percent of Normal |
| | | | | | | | |
| Degrees | | | Inches | | | | |
| Panhandle | 92 | 64 | 77.4 | 1.07 | 12.60 | + 2.05 | 119 |
| West Central | 94 | 69 | 81.7 | 0.81 | 20.33 | + 6.92 | 151 |
| Southwest | 96 | 70 | 83.0 | 0.34 | 17.83 | + 3.90 | 128 |
| North Central | 90 | 68 | 78.3 | 2.19 | 20.60 | + 6.60 | 147 |
| Central | 91 | 69 | 79.7 | 1.98 | 20.96 | + 4.15 | 125 |
| South Central | 95 | 71 | 82.8 | 0.88 | 15.71 | - 2.61 | 86 |
| Northeast | 86 | 69 | 77.0 | 2.32 | 26.90 | + 8.04 | 143 |
| East Central | 90 | 71 | 80.4 | 1.71 | 25.52 | + 5.46 | 127 |
| Southeast | 93 | 69 | 80.3 | 1.42 | 21.08 | - 1.59 | 93 |